



PRODUCT-DETAILS

# S802U-K70

## High Performance MCB



| General Information   |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Extended Product Type | S802U-K70                                                                                   |
| Product ID            | 2CCS862017R0707                                                                             |
| EAN                   | 7612271214333                                                                               |
| Catalog Description   | High Performance MCB                                                                        |
| Long Description      | S802U-K70 2 Pole K Characteristic 70A 50kA 240/415VAC High Performance Circuit Breaker HPCB |

| ABB EcoSolutions                                  |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| ABB EcoSolutions                                  | Yes                                                            |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 86.29 % |
| ABB Site Meeting Group Waste To Landfill Target   | No non-hazardous waste is sent to a landfill                   |
| End Of Life Disassembling Instructions            | 9AKK108470A2575                                                |
| Environmental Product Declaration - EPD           | 9AKK108470A1695<br>9AKK108470A1696                             |

| Technical                                                         |                                                                     |
|-------------------------------------------------------------------|---------------------------------------------------------------------|
| Tripping Characteristic                                           | K                                                                   |
| Type of Residual Current                                          | Standard Version                                                    |
| Rated Operational Voltage                                         | acc. to IEC 60947-2 415 V AC<br>UL489 240 V AC                      |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC/EN 60664-1 690 V                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | 8 kV                                                                |
| Input Voltage Type                                                | AC                                                                  |
| Rated Current (I <sub>n</sub> )                                   | 70 A                                                                |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (415 V AC) 50 kA                                                    |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | (415 V AC) 40 kA                                                    |
| Frequency (f)                                                     | 50/60 Hz                                                            |
| Rated Frequency (f)                                               | 50/60 Hz                                                            |
| Power Loss                                                        | 4.9 W<br>at Rated Operating Conditions per Pole 2.45 W              |
| Contact Position Indication                                       | ON / OFF / TRIP                                                     |
| Energy Limiting Class                                             | 3                                                                   |
| Number of Protected Poles                                         | 2                                                                   |
| Number of Poles                                                   | 2P                                                                  |
| Overvoltage Category                                              | III                                                                 |
| Release Type                                                      | K                                                                   |
| Actuator Marking                                                  | I / O                                                               |
| Accessories Available                                             | Yes                                                                 |
| Connecting Capacity                                               | Flexible 0 ... 50 mm <sup>2</sup><br>Rigid 0 ... 70 mm <sup>2</sup> |

| Material Compliance                         |                                                           |
|---------------------------------------------|-----------------------------------------------------------|
| RoHS Information                            | 9AKK107680A3903                                           |
| RoHS Status                                 | Following EU Directive 2011/65/EU                         |
| RoHS Date                                   | 20170426                                                  |
| REACH Declaration                           | 9AKK108468A3036                                           |
| REACH Information                           | False - does not contain substances > 0.1 mass percentage |
| REACH Date                                  | 20200527                                                  |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                           |

| Environmental             |                                                    |
|---------------------------|----------------------------------------------------|
| Ambient Air Temperature   | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C |
| Degree of Protection      | IP20                                               |
| Pollution Degree          | 2                                                  |
| Environmental Information | 2CCY413207D0203                                    |

| Technical UL/CSA                    |                  |
|-------------------------------------|------------------|
| Interrupting Rating acc. to UL489   | (240 V AC) 50 kA |
| Short-Circuit Current Rating (SCCR) | (240 V AC) 50 kA |

| Dimensions                          |                 |
|-------------------------------------|-----------------|
| Width in Number of Modular Spacings | 3               |
| Product Net Width                   | 54 mm           |
| Product Net Height                  | 95 mm           |
| Product Net Depth / Length          | 82.5 mm         |
| Product Net Weight                  | 490 g           |
| Built-In Depth (t <sub>2</sub> )    | 82.5 mm         |
| Dimension Diagram                   | 2CCC413003C0201 |

| Ordering                     |             |
|------------------------------|-------------|
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 510 g       |

| Certificates and Declarations  |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CCC413009D0201 |
| UL Certificate                 | 9AKK107680A2289 |

| Installation             |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CCC413015M0403 |

| Popular Downloads                 |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK108468A9560 |
|                                   | 9AKK108468A9561 |
|                                   | 9AKK108468A9562 |

| External Classifications and Standards |                                                            |
|----------------------------------------|------------------------------------------------------------|
| ETIM 8                                 | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9                                 | EC000042 - Miniature circuit breaker (MCB)                 |
| WEEE Category                          | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B                         | Business To Business                                       |
| CN8                                    | 85362020                                                   |
| UNSPSC                                 | 39121603                                                   |
| eClass                                 | V11.0 : 27141901                                           |

|                                    |                                                        |
|------------------------------------|--------------------------------------------------------|
| IDEA Granular Category Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| Object Classification Code         | F                                                      |
| Standards                          | UL 489                                                 |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance Circuit Breakers HPCBs

